

SHARP SERVICE MANUAL

S65H253KB033K

INSIGHT RANGE HOOD



MODELS

KB-0333KS
KB-0333KK
KB-0333KW

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PRECAUTIONS TO BE OBSERVED BEFORE AND DURING SERVICING TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR INJURY.

1. Use this unit only in the manner intended by the manufacturer. If you have questions, contact Sharp at the address or telephone number listed on page 2 of this manual.
2. Before servicing or cleaning unit, switch power off at service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.
3. Installation work and electrical wiring must be done by a qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction codes and standards.
4. Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent backdrafting. Follow the heating equipment manufacturer's guideline and safety standards such as those published by the National Fire Protection Association (NFPA), and the American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.
5. When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
6. To reduce the risk of fire or electric shock, do not use this range hood with an additional speed control device.
7. Ducted fans must always be vented to the outdoors.
8. To reduce the risk of fire, use only metal ductwork.
9. Use with approved cord-connection kit only.
10. This unit must be grounded.

BEFORE SERVICING

Before servicing or cleaning unit, switch power OFF at service panel and lock the service disconnect to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.

If the Range Hood fails to perform, contact SHARP ELECTRONICS CORPORATION immediately at 1-800-237-4277.

IMPORTANT SAFETY INSTRUCTIONS

TO REDUCE THE RISK OF A RANGE TOP GREASE FIRE:

1. Never leave surface units unattended at high settings. Boilovers cause smoking and greasy spillovers that may ignite. Heat oils slowly on low or medium settings.
2. Always turn hood ON when cooking at high heat or when cooking flaming foods.
3. Clean ventilating fans frequently. Grease should not be allowed to accumulate on fan or filter.
4. Use proper pan size. Always use cookware appropriate for the size of the surface element.

1. **SMOTHER FLAMES** with a close-fitting lid, cookie sheet or metal tray, then turn off the burner. **BE CAREFUL TO PREVENT BURNS.** If the flames do not go out immediately, **EVACUATE AND CALL THE FIRE DEPARTMENT.**
2. **NEVER PICK UP A FLAMING PAN** — You may be burned.
3. **DO NOT USE WATER**, including wet dishcloths or towels - violent steam explosion will result.
4. Use an extinguisher **ONLY** if:
 - A. You know you have a Class ABC extinguisher and you already know how to operate it.
 - B. The fire is small and contained in the area where it started.
 - C. The fire department is being called.
 - D. You can fight the fire with your back to an exit.* Based on "Kitchen Fire Safety Tips" published by NFPA.

SERVICE MANUAL

SHARP

INSIGHT RANGE HOOD

KB-0333KS
KB-0333KK
KB-0333KW

FOREWORD

This Manual has been prepared to provide Sharp Electronics Corp. Service Personnel with Operation and Service Information for the SHARP INSIGHT RANGE HOODS, KB-0333KS, KB-0333KK, KB-0333KW.

It is recommended that service personnel carefully study the entire text of this manual so that they will be qualified to render satisfactory customer service.

Special attention should be given to avoid electrical shock.

WARNING

1. For general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.
2. To avoid motor bearing damage and noisy and/or unbalanced impellers, keep drywall spray, construction dust, etc. off power unit.
3. For best capture of cooking impurities, your range hood should be mounted so that the top of the hood is 24-30" above the cooking surface.
4. Please read specification label on product for further information and requirements.

DANGER

Halogen or incandescent bulbs may be hot! Refer to bulb packaging for further information.

PRODUCT DESCRIPTION

COMPONENT REPLACEMENT

PARTS LIST

SHARP ELECTRONICS CORPORATION

SHARP PLAZA, MAHWAH,
NEW JERSEY 07430-2135

PRODUCT SPECIFICATION

ITEM	DESCRIPTION
Power Requirements	120 Volts, 60 Amps 60 Hertz
Case Dimensions	Width 30" Height 7 1/4" Depth 20"
Hood lamps (3 Levels)	2 bulbs (not included) 40W x 2 (Incandescent light bulbs) or 50W x 2 (Halogen bulbs)
Hood fan (4 Speeds)	Approx. 100 to 430 C.F.M.
Heat Sensor	Advaned Sentry
Delay-off	10 Min delay
Control Complement	DELAY OFF, Fan number pads, ON/OFF, LIGHT Pads, CLEAN FILTER Pad
Safety Standard	UL Listed
Weight	Approx. 29 lbs.



KB-0333KS

FUSE AND SCHEMATIC DIAGRAM

FUSE

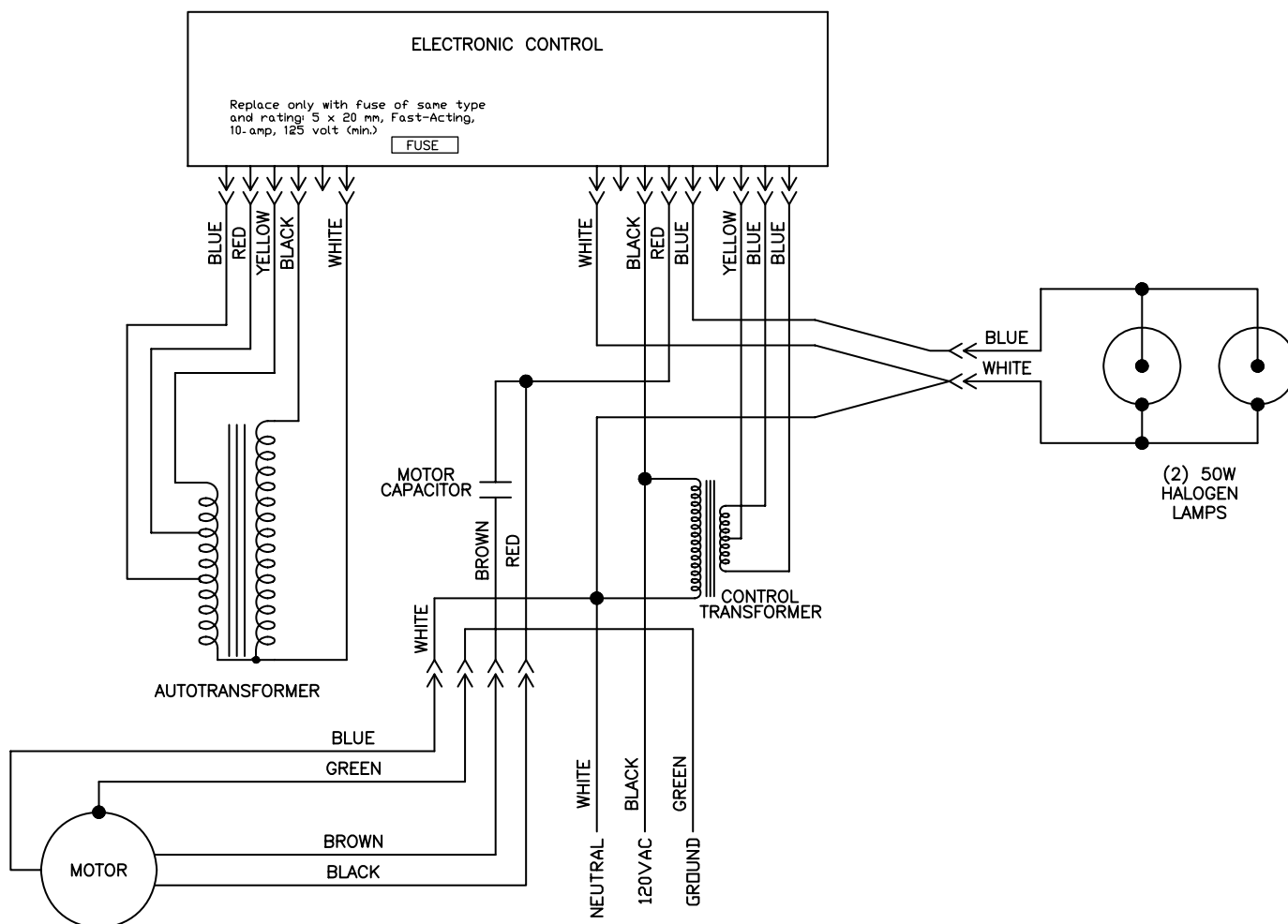
The hood control contains a fuse to protect it from power surges. If the fuse has opened (blown), the green fan-level indicators will operate properly when the fan buttons/switches are pressed, but the fan and lights will not turn on.

The fuse is a 5 x 20mm, 10 Amp, Fast-Acting, 125V (min.).

To replace the fuse:

1. Disconnect power at service entrance.
2. Remove filters, bottom panel, light wire harness and air chute.
3. Remove and inspect fuse. If it is not open (blown), additional diagnostics need to be done.
4. Install new fuse.
5. Re-assemble air chute, light wire harness, bottom panel and filters.
6. Turn on power and check hood/control operation.

SCHEMATIC DIAGRAM



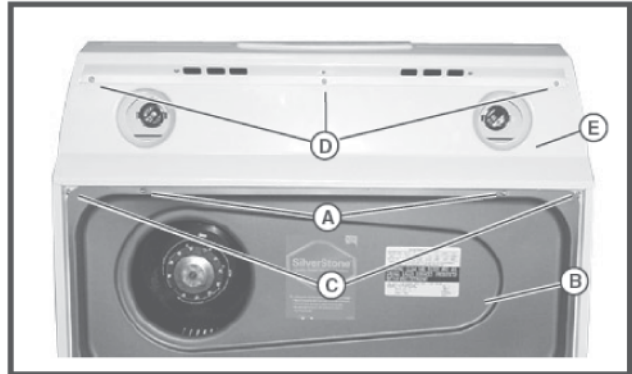
COMPONENT REPLACEMENT AND ADJUSTMENT PROCEDURE

WARNING :

Before servicing or cleaning unit, switch power OFF at service panel and lock the service disconnect to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.

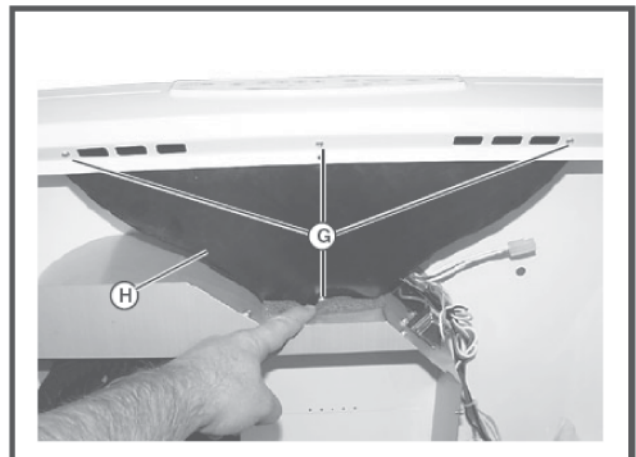
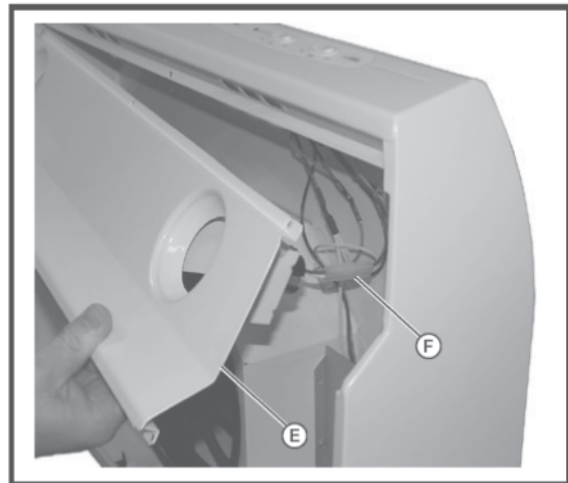
LIGHT PANEL and AIR CHUTE REMOVAL/INSTALLATION

1. Switch OFF power at service panel, to prevent accidental electrical shock, or damage to components.
2. Remove FILTERS and set aside.
3. For models with an inner BOTTOM COVER, remove two #8 screws (A) attaching BOTTOM COVER (B) to HOOD, tip BOTTOM COVER down and remove.
4. Remove the two #6 (C) and three #8 (D) pan head screws attaching the LIGHT PANEL (E) to the HOOD and lower the LIGHT PANEL to expose the LIGHT CONNECTOR (F).
5. Disconnect the LIGHT CONNECTOR (F) and set the LIGHT PANEL aside.
6. Remove the four #8 pan head screws (G) attaching the AIR CHUTE (H) to the HOOD. Pull forward slightly on the AIR CHUTE and slide to the right and remove if necessary.



INSTALLATION

7. Place the AIR CHUTE (H) into the HOOD and secure in place with four #8 pan head screws (G).
8. Place the LIGHT PANEL (C) into the HOOD frame. The front lip of the LIGHT PANEL must be slid behind the HOOD frame lip. The remaining edges of the LIGHT PANEL lay over top of the HOOD edges.
9. Secure the LIGHT PANEL to the HOOD using two #6 (C) and three #8 (D) pan head screws. Reconnect the LIGHT CONNECTOR plug (F).
10. For models with an inner BOTTOM COVER, set the BOTTOM COVER (B) in the back edge of the HOOD and tip up into place and secure with two #8 pan head screws (A).
11. Install the FILTERS.
12. Switch ON power at the service panel and test the RANGE HOOD functions.

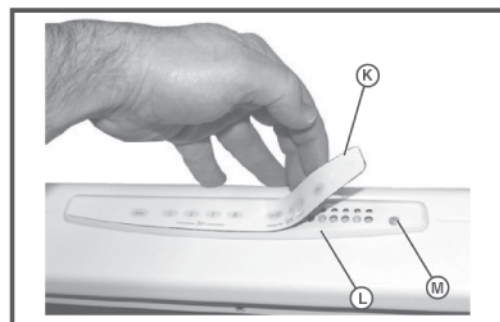
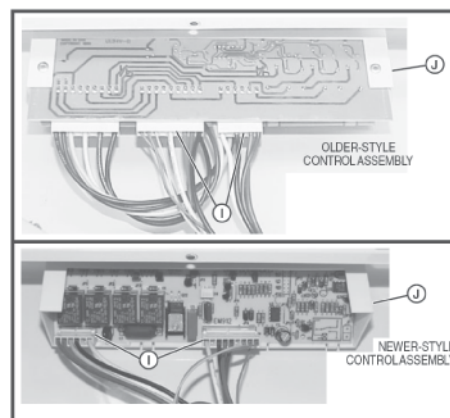
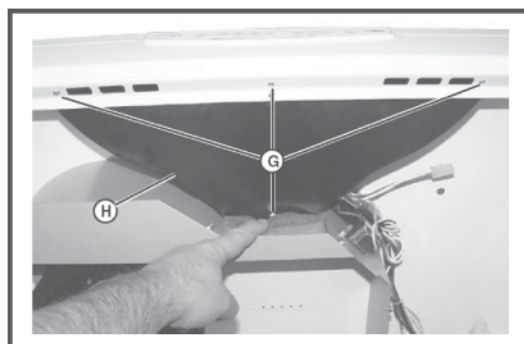
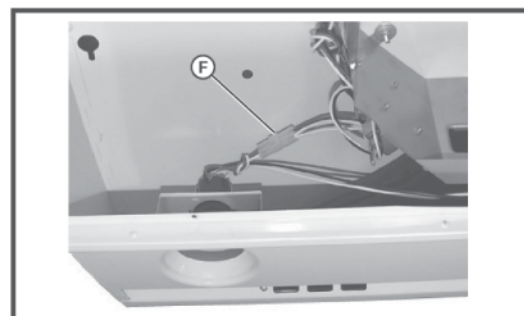
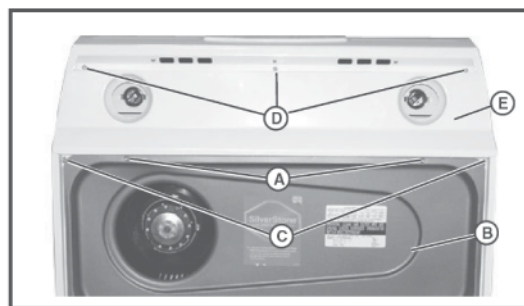


CONTROL ASSEMBLY and CONTROL PANEL SERVICING

1. Switch OFF power at service panel, to prevent accidental electrical shock, or damage to components.
2. Remove FILTERS and set aside.
3. Remove two #8 screws (A) attaching BOTTOM COVER (B) to HOOD, tip BOTTOM COVER down and remove.
4. Remove the two #6 (C) and three #8 (D) pan head screws attaching the LIGHT PANEL (E) to the HOOD and lower the LIGHT PANEL to expose the LIGHT CONNECTOR (F).
5. Disconnect the LIGHT CONNECTOR (F) and set the LIGHT PANEL aside.
6. Remove the four #8 pan head screws (G) attaching the AIR CHUTE (H) to the HOOD. Pull forward slightly on the AIR CHUTE and slide to the right and remove.
7. If replacing the CONTROL ASSEMBLY, use a small flat blade screwdriver to unlock the connector locks and disconnect the plugs (I) from the CONTROL ASSEMBLY (J).
8. Using a utility knife, carefully lift the KEY UNIT (K) and remove from the CONTROL PANEL (L) to expose the screws.
9. Remove the three screws (M) attaching the CONTROL PANEL and CONTROL ASSEMBLY to the HOOD and remove both from hood.

INSTALLATION

10. Position the CONTROL ASSEMBLY (J) into the HOOD, place the CONTROL PANEL (L) over the assembly and install the three #6 flat head screws (M). Secure in place. Do Not overturn the screws.
11. Peel the backing from the new KEY UNIT (K), align the KEY UNIT with the CONTROL PANEL and carefully press in place.
12. Align the two CONTROL ASSEMBLY connectors (I) and plug each into the new connectors until they lock in place.
13. Place the AIR CHUTE (H) into the HOOD and secure in place with four #8 pan head screws (G).
14. Place the LIGHT PANEL (E) into the HOOD frame. The front lip of the LIGHT PANEL must be slid behind the HOOD frame lip. The remaining edges of the LIGHT PANEL lay over top of the HOOD edges.
15. Secure the LIGHT PANEL to the HOOD using two #6 (C) and three #8 (D) pan head screws. Reconnect the LIGHT CONNECTOR plug (F).
16. Set the BOTTOM COVER (B) in the back edge of the HOOD and tip up into place and secure with two #8 pan head screws (A).
17. Install the FILTERS.
18. Switch ON power at the service panel and test the RANGE HOOD functions.

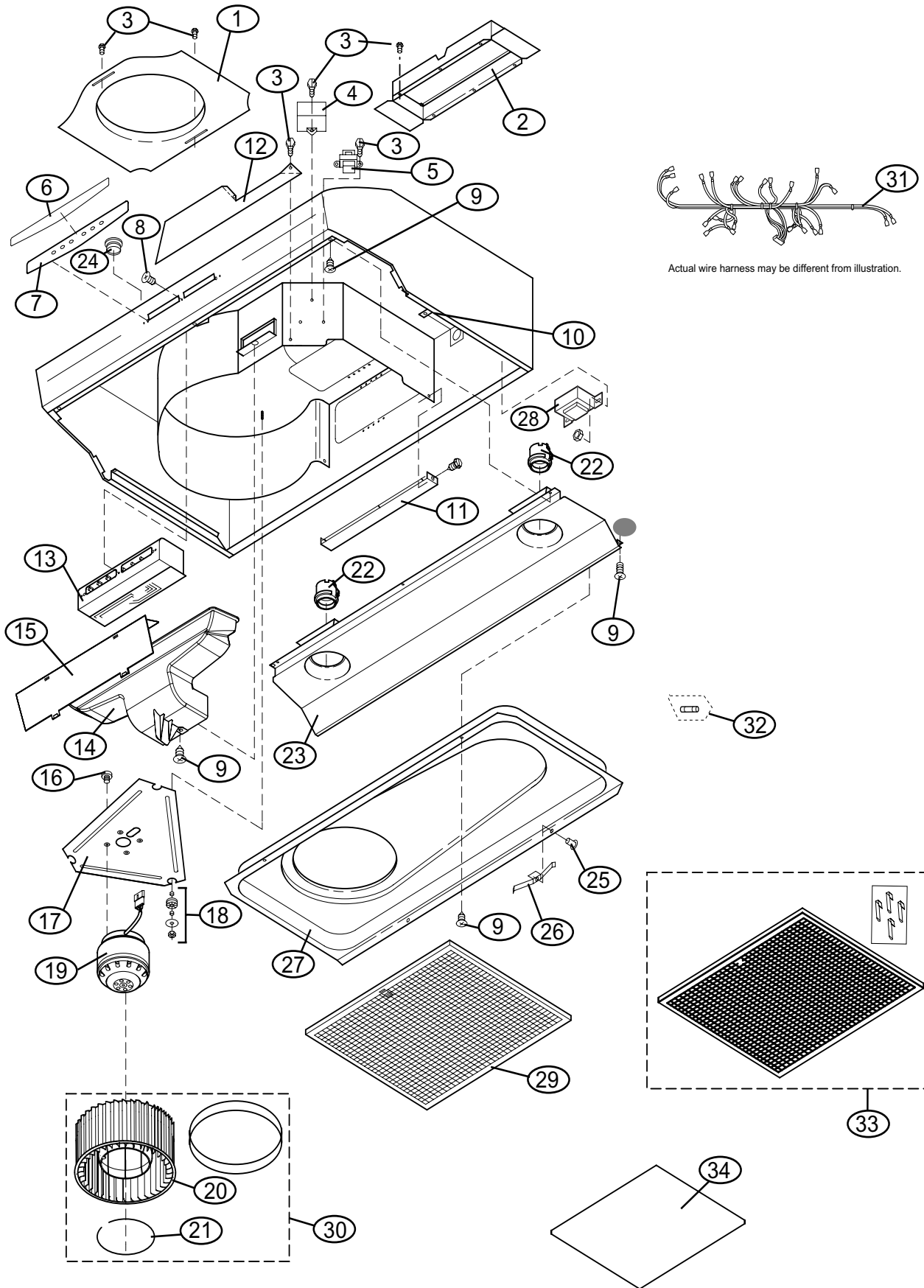


PARTS LIST

Note: "§" MARK: PARTS DELIVERY SECTION

REF. NO.	PART NO.	§	DESCRIPTION	Q'TY	CODE
ELECTRIC PARTS					
1	PDUC-B153MRP0	M	7" Round duct plate	1	BB
2	FFTA-B006MRK0	M	Damper/Duct connector	1	BC
3	LX-BZB021MRE0	M	Screw	5	AP
4	RC-QZB025MRE0	M	Motor capacitor	1	BE
5	RTRN-B089MRE0	M	Isolation transformer	1	BB
6	PSHEPB197MRR0	M	Key unit (KB-0333KS/KK)	1	AX
6	PSHEPB198MRR0	M	Key unit (KB-0333KW)	1	AZ
7	HPNLCB215MRF0	M	Control panel (KB-0333KS/KK)	1	AZ
7	HPNLCB216MRF0	M	Control panel (KB-0333KW)	1	BB
8	LX-BZB022MRE0	M	Screw	1	AP
9	LX-BZB023MRE0	M	Screw	5	AP
10	LX-CZB036MRE0	M	Ground screw	1	AP
11	PCOVBP151MRP0	M	Scroll cover (Outlet)	1	BA
12	PCOVBP152MRP0	M	Scroll cover (Front)	1	BA
13	CPNLCB598MRK0	M	Control assy.	1	BS
14	PDUC-B154MRK0	M	Air chute assy.	1	BE
15	LANG-B034MRP0	M	Baffle	1	AS
16	LX-BZB024MRE0	M	Screw	1	AT
17	LANGTB132MRP0	M	Motor plate	1	BE
18	LX-BZB025MRK0	M	Motor plate mounting kit	1	AW
19	RMOTEB037MRE0	M	Motor	1	BR
20	NFANPB008MRE0	M	Blower wheel	1	BG
21	LX-RZB002MRE0	M	Retaining ring	1	AP
22	QSOCLB013MRE0	M	Lamp socket assy	2	BD
23	LANG-B037MRP0	M	Light panel (KB-0333KS)	1	BP
23	LANG-B035MRP0	M	Light panel (KB-0333KK)	1	BK
23	LANG-B036MRP0	M	Light panel (KB-0333KW)	1	BK
24	PCOV-B001MRE0	M	Hole plug	1	AP
25	-----	M	Pop rivet (not supplied)	1	-
26	PCIL-B001MRE0	M	Filter spring kit	1	AT
27	FCOVBP049MRK0	M	Bottom cover	1	BS
28	RTRN-B090MRE0	M	Autotransformer	1	BC
29	PFIL-B015MRE0	M	Aluminum mesh filter (30")	2	BR
30	FFAN-B018MRK0	M	Non-ducted blower wheel assy	1	BG
31	FW-VZB293MRE0	M	Wire harness	1	BP
32	QFS-BB007MRE0	M	Control fuse (10 amp)	1	AX
33	A3KBK330	M	Non-ducted filter kit (30")	1	BH
34	TINSEB430MRK0	M	Installation/Operation manual	1	AL

HOOD PARTS



NOTES:

NOTES:

SHARP

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